



#### GENERAL NOTES:

Details shown are for the construction of a 1120 to 865 millimeter Concrete Roadside Barrier Transition Section. The "F-Shape" barrier shall be cast in place, unless specified otherwise in the project plans. Refer to "Tabulation of Concrete Barrier" and Project Plans for specific details.

Details shown are typical. Alternate design details may be submitted to the Engineer for approval.

Concrete shall be Class 'D' Structural Concrete placed and finished as specified in Article 2407.14 of current Standard and Supplemental Specifications or by methods approved by the Engineer.

Epoxy coated steel bars are required; see Article 4151.02B of current specifications.

Dowels shall be either installed in supporting surface when placed or installed in drilled holes using epoxy cement or grout approved by the Engineer.

The paved shoulder area shall be included in the quantity for concrete pavement, shoulder or median, whichever is applicable.

The price bid for "Barrier, Concrete RE-44G" shall be considered full compensation for construction of concrete barrier as detailed hereon, including reinforcing steel and all necessary excavation and backfill.

Quantities required for one Transition Section:  
0.9 cubic meters Structural Concrete Class 'D'.

- ① Contraction Joints shall be formed by use of pre-molded fiber, pressed wood or other approved material shaped to conform to shape of concrete barrier, or by sawing as indicated hereon. Where abutting sections are placed as separate pours, a butt joint may be used; no filler is required.
- ② Possible reinforcing needed, such as over intakes or other unsupported areas of 300 millimeters or more; use #15 bars. Length equals unsupported portion plus 600 millimeters beyond each way.
- ③ All exposed corners are to be filleted with a 20 millimeter dressed and beveled strip.
- ④ 25 x 200 mm deformed bars or 25 mm diameter smooth dowels.
- ⑤ Concrete footing required when not placed on concrete slab.
- ⑥ From Section A-A to Section B-B.

All dimensions given in millimeters unless noted.

<b>M</b>	<b>Iowa Department of Transportation</b>	
	<b>Project Development Division</b>	
	<b>STANDARD ROAD PLAN</b>	<b>RE-44G</b>
	REVISION: Revise dimensions in Sections A-A and B-B; add Note 6.	REVISION NO. 3
	APPROVED BY: <i>[Signature]</i> 05-24-99 DESIGN METHOD ENGINEER	REVISION DATE 09-21-99

DETAILS OF  
CONCRETE ROADSIDE BARRIER  
TRANSITION SECTION